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TECH CENTER 1600/2900

## RAW SEQUENCE LISTING

DATE: 02/05/2002

PATENT APPLICATION: US/09/592,695A

TIME: 11:57:33

Input Set : A:\P1762R1 US.txt

Output Set: N:\CRF3\02052002\I592695A.raw

H 12

p.6

ENTERED

3 <110> APPLICANT: Cochran, Andrea G.  
4 Skelton, Nicholas J.  
5 Starovasnik, Melissa A.  
7 <120> TITLE OF INVENTION: Structured Peptide Scaffold For Displaying Turn  
8 Libraries On Phage  
10 <130> FILE REFERENCE: P1762R1 US  
12 <140> CURRENT APPLICATION NUMBER: US 09/592,695A  
13 <141> CURRENT FILING DATE: 2000-06-13  
15 <150> PRIOR APPLICATION NUMBER: US 60/139,017  
16 <151> PRIOR FILING DATE: 1999-06-14  
18 <160> NUMBER OF SEQ ID NOS: 25  
20 <210> SEQ ID NO: 1  
21 <211> LENGTH: 10  
22 <212> TYPE: PRT  
23 <213> ORGANISM: Artificial Sequence  
25 <220> FEATURE:  
26 <223> OTHER INFORMATION: turn peptide  
28 <220> FEATURE:  
29 <221> NAME/KEY: UNSURE  
30 <222> LOCATION: 2, 9  
31 <223> OTHER INFORMATION: Xaa at positions 2 or 9 is Trp, Tyr, Phe, His, Ile, Val or  
Thr.  
33 <220> FEATURE:  
34 <221> NAME/KEY: UNSURE  
35 <222> LOCATION: 3, 8  
36 <223> OTHER INFORMATION: Xaa at positions 3 or 8 is Trp, Tyr, Phe, Leu, Met, Ile or  
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38 <400> SEQUENCE: 1  
39 Cys Xaa Xaa Glu Gly Asn Lys Xaa Xaa Cys  
40 1 5 10  
42 <210> SEQ ID NO: 2  
43 <211> LENGTH: 10  
44 <212> TYPE: PRT  
45 <213> ORGANISM: Artificial Sequence  
47 <220> FEATURE:  
48 <223> OTHER INFORMATION: turn peptide  
50 <400> SEQUENCE: 2  
51 Cys Thr Trp Glu Gly Asn Lys Leu Thr Cys  
52 1 5 10  
54 <210> SEQ ID NO: 3  
55 <211> LENGTH: 12  
56 <212> TYPE: PRT  
57 <213> ORGANISM: Artificial Sequence  
59 <220> FEATURE:

60 <223> OTHER INFORMATION: turn peptide

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62 <400> SEQUENCE: 3  
63 Ser Cys Thr Trp Glu Gly Asn Lys Leu Thr Cys Lys  
64 1 5 10  
66 <210> SEQ ID NO: 4  
67 <211> LENGTH: 10  
68 <212> TYPE: PRT  
69 <213> ORGANISM: Artificial Sequence  
71 <220> FEATURE:  
72 <223> OTHER INFORMATION: turn peptide  
74 <400> SEQUENCE: 4  
75 Cys Gly Asn Gln Gly Ser Phe Leu Thr Cys  
76 1 5 10  
78 <210> SEQ ID NO: 5  
79 <211> LENGTH: 10  
80 <212> TYPE: PRT  
81 <213> ORGANISM: Artificial Sequence  
83 <220> FEATURE:  
84 <223> OTHER INFORMATION: turn peptide  
86 <400> SEQUENCE: 5  
87 Cys Thr Trp Gln Gly Ser Phe Leu Thr Cys  
88 1 5 10  
90 <210> SEQ ID NO: 6  
91 <211> LENGTH: 12  
92 <212> TYPE: PRT  
93 <213> ORGANISM: Artificial Sequence  
95 <220> FEATURE:  
96 <223> OTHER INFORMATION: turn peptide  
98 <400> SEQUENCE: 6  
99 Ser Cys Gly Asn Gln Gly Ser Phe Leu Thr Cys Lys  
100 1 5 10  
102 <210> SEQ ID NO: 7  
103 <211> LENGTH: 12  
104 <212> TYPE: PRT  
105 <213> ORGANISM: Artificial Sequence  
107 <220> FEATURE:  
108 <223> OTHER INFORMATION: turn peptide  
110 <400> SEQUENCE: 7  
111 Ser Cys Thr Asn Gln Gly Ser Phe Leu Thr Cys Lys  
112 1 5 10  
114 <210> SEQ ID NO: 8  
115 <211> LENGTH: 12  
116 <212> TYPE: PRT  
117 <213> ORGANISM: Artificial Sequence  
119 <220> FEATURE:  
120 <223> OTHER INFORMATION: turn peptide  
122 <400> SEQUENCE: 8  
123 Ser Cys Gly Trp Gln Gly Ser Phe Leu Thr Cys Lys  
124 1 5 10  
126 <210> SEQ ID NO: 9

## RAW SEQUENCE LISTING

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127 <211> LENGTH: 12
128 <212> TYPE: PRT
129 <213> ORGANISM: Artificial Sequence
131 <220> FEATURE:
132 <223> OTHER INFORMATION: turn peptide
134 <400> SEQUENCE: 9
135 Ser Cys Thr Trp Gln Gly Ser Phe Leu Thr Cys Lys
136 1 5 10
138 <210> SEQ ID NO: 10
139 <211> LENGTH: 12
140 <212> TYPE: PRT
141 <213> ORGANISM: Artificial Sequence
143 <220> FEATURE:
144 <223> OTHER INFORMATION: turn peptide
146 <400> SEQUENCE: 10
147 Ser Cys Gly Asn Gln Gly Ser Phe Leu Thr Cys Lys
148 1 5 10
150 <210> SEQ ID NO: 11
151 <211> LENGTH: 12
152 <212> TYPE: PRT
153 <213> ORGANISM: Artificial Sequence
155 <220> FEATURE:
156 <223> OTHER INFORMATION: turn peptide
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160 1 5 10
162 <210> SEQ ID NO: 12
163 <211> LENGTH: 10
164 <212> TYPE: PRT
165 <213> ORGANISM: Artificial Sequence
167 <220> FEATURE:
168 <223> OTHER INFORMATION: turn peptide
170 <400> SEQUENCE: 12
171 Cys Thr Lys Val Trp Gln Leu Trp Thr Cys
172 1 5 10
174 <210> SEQ ID NO: 13
175 <211> LENGTH: 12
176 <212> TYPE: PRT
177 <213> ORGANISM: Artificial Sequence
179 <220> FEATURE:
180 <223> OTHER INFORMATION: turn peptide
182 <400> SEQUENCE: 13
183 Ser Cys Thr Trp Val Trp Gln Leu Leu Thr Cys Lys
184 1 5 10
186 <210> SEQ ID NO: 14
187 <211> LENGTH: 12
188 <212> TYPE: PRT
189 <213> ORGANISM: Artificial Sequence
191 <220> FEATURE:

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Input Set : A:\P1762R1 US.txt

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192 <223> OTHER INFORMATION: turn peptide  
 194 <400> SEQUENCE: 14  
 195 Ser Cys His Phe Gly Pro Leu Thr Trp Val Cys Lys  
 196 1 5 10  
 198 <210> SEQ ID NO: 15  
 199 <211> LENGTH: 12  
 200 <212> TYPE: PRT  
 201 <213> ORGANISM: Artificial Sequence  
 203 <220> FEATURE:  
 204 <223> OTHER INFORMATION: turn peptide  
 206 <400> SEQUENCE: 15  
 207 Ser Cys Thr Trp Gly Pro Leu Thr Leu Thr Cys Lys  
 208 1 5 10  
 210 <210> SEQ ID NO: 16  
 211 <211> LENGTH: 10  
 212 <212> TYPE: PRT  
 213 <213> ORGANISM: Artificial Sequence  
 215 <220> FEATURE:  
 216 <223> OTHER INFORMATION: turn peptide  
 218 <220> FEATURE:  
 219 <221> NAME/KEY: UNSURE  
 220 <222> LOCATION: 3  
 221 <223> OTHER INFORMATION: Xaa is Trp, Tyr, Leu, Val, Thr or Asp.  
 223 <400> SEQUENCE: 16  
 224 Cys Thr Xaa Glu Gly Asn Lys Leu Thr Cys  
 225 1 5 10  
 227 <210> SEQ ID NO: 17  
 228 <211> LENGTH: 10  
 229 <212> TYPE: PRT  
 230 <213> ORGANISM: Artificial Sequence  
 232 <220> FEATURE:  
 233 <223> OTHER INFORMATION: turn peptide  
 235 <220> FEATURE:  
 236 <221> NAME/KEY: UNSURE  
 237 <222> LOCATION: 3  
 238 <223> OTHER INFORMATION: Xaa is Trp, Tyr, Leu, Val, Thr or Asp.  
 240 <400> SEQUENCE: 17  
 241 Cys Thr Xaa Glu Asn Gly Lys Leu Thr Cys  
 242 1 5 10  
 244 <210> SEQ ID NO: 18  
 245 <211> LENGTH: 10  
 246 <212> TYPE: PRT  
 247 <213> ORGANISM: Artificial Sequence  
 249 <220> FEATURE:  
 250 <223> OTHER INFORMATION: turn peptide  
 252 <220> FEATURE:  
 253 <221> NAME/KEY: UNSURE  
 254 <222> LOCATION: 3  
 255 <223> OTHER INFORMATION: Xaa is Trp, Tyr, Leu, Val, Thr or Asp.

## RAW SEQUENCE LISTING

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Input Set : A:\P1762R1 US.txt

Output Set: N:\CRF3\02052002\I592695A.raw

257 <400> SEQUENCE: 18  
 258 Cys Thr Xaa Glu Pro Asn Lys Leu Thr Cys  
 259 1 5 10  
 261 <210> SEQ ID NO: 19  
 262 <211> LENGTH: 10  
 263 <212> TYPE: PRT  
 264 <213> ORGANISM: Artificial Sequence  
 266 <220> FEATURE:  
 267 <223> OTHER INFORMATION: turn peptide  
 269 <220> FEATURE:  
 270 <221> NAME/KEY: UNSURE  
 271 <222> LOCATION: 3  
 272 <223> OTHER INFORMATION: Xaa is Trp, Tyr, Leu, Val, Thr or Asp.  
 274 <400> SEQUENCE: 19  
 275 Cys Thr Xaa Glu Pro Gly Lys Leu Thr Cys  
 276 1 5 10  
 278 <210> SEQ ID NO: 20  
 279 <211> LENGTH: 10  
 280 <212> TYPE: PRT  
 281 <213> ORGANISM: Artificial Sequence  
 283 <220> FEATURE:  
 284 <223> OTHER INFORMATION: turn peptide  
 286 <220> FEATURE:  
 287 <221> NAME/KEY: UNSURE  
 288 <222> LOCATION: 3  
 289 <223> OTHER INFORMATION: Xaa is Trp, Tyr, Phe, Leu, Met, Ile, Val or Ala  
 291 <400> SEQUENCE: 20  
 292 Cys Thr Xaa Glu Gly Asn Lys Leu Thr Cys  
 293 1 5 10  
 295 <210> SEQ ID NO: 21  
 296 <211> LENGTH: 10  
 297 <212> TYPE: PRT  
 298 <213> ORGANISM: Artificial Sequence  
 300 <220> FEATURE:  
 301 <223> OTHER INFORMATION: turn peptide  
 303 <220> FEATURE:  
 304 <221> NAME/KEY: UNSURE  
 305 <222> LOCATION: 8  
 306 <223> OTHER INFORMATION: Xaa is Trp, Tyr, Phe, Leu, Met, Ile, Val or Ala.  
 308 <400> SEQUENCE: 21  
 309 Cys Thr Leu Glu Gly Asn Lys Xaa Thr Cys  
 310 1 5 10  
 312 <210> SEQ ID NO: 22  
 313 <211> LENGTH: 10  
 314 <212> TYPE: PRT  
 315 <213> ORGANISM: Artificial Sequence  
 317 <220> FEATURE:  
 318 <223> OTHER INFORMATION: turn peptide  
 320 <220> FEATURE:

Use of n and/or Xaa has been detected in the Sequence Listing.  
 Review the Sequence Listing to insure a corresponding  
 explanation is presented in the <220> to <223> fields of  
 each sequence using n or Xaa.

## VERIFICATION SUMMARY

DATE: 02/05/2002

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Input Set : A:\P1762R1 US.txt

Output Set: N:\CRF3\02052002\I592695A.raw

L:39 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
L:224 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16  
L:241 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17  
L:258 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18  
L:275 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19  
L:292 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20  
L:309 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21  
L:326 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22  
L:343 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23  
L:375 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25  
L:377 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25